

ABSTRACT

It is an object of the present invention to provide a method of fabricating a liquid crystal display by which a liquid crystal display capable of displaying a high quality display image with high resolution and preventing light leakage, light omission and the like due to spacers may be produced.

The present invention relates to a method of fabricating a liquid crystal display, which has a step of locating a spacer on a substrate by ejecting a droplet of spacer dispersion liquid containing a spacer with a particle diameter R (μm) from a nozzle of an ink-jet apparatus and depositing the droplet on the substrate surface, a hole diameter of the nozzle being $7R$ (μm) or larger, the spacer dispersion liquid having surface tension of 30 to 50 mN/m and a contact angle θ on the substrate surface of 30 to 90° and, in the step of locating the spacer on the substrate, depositing the droplet of the spacer dispersion liquid on the substrate surface at the interval of deposition D (μm) satisfying a relationship of the following formula (1):

$$D \geq 35 \times \left[\frac{R}{2 - 3\cos\theta + \cos^3\theta} \right]^{\frac{1}{3}} \quad (1).$$